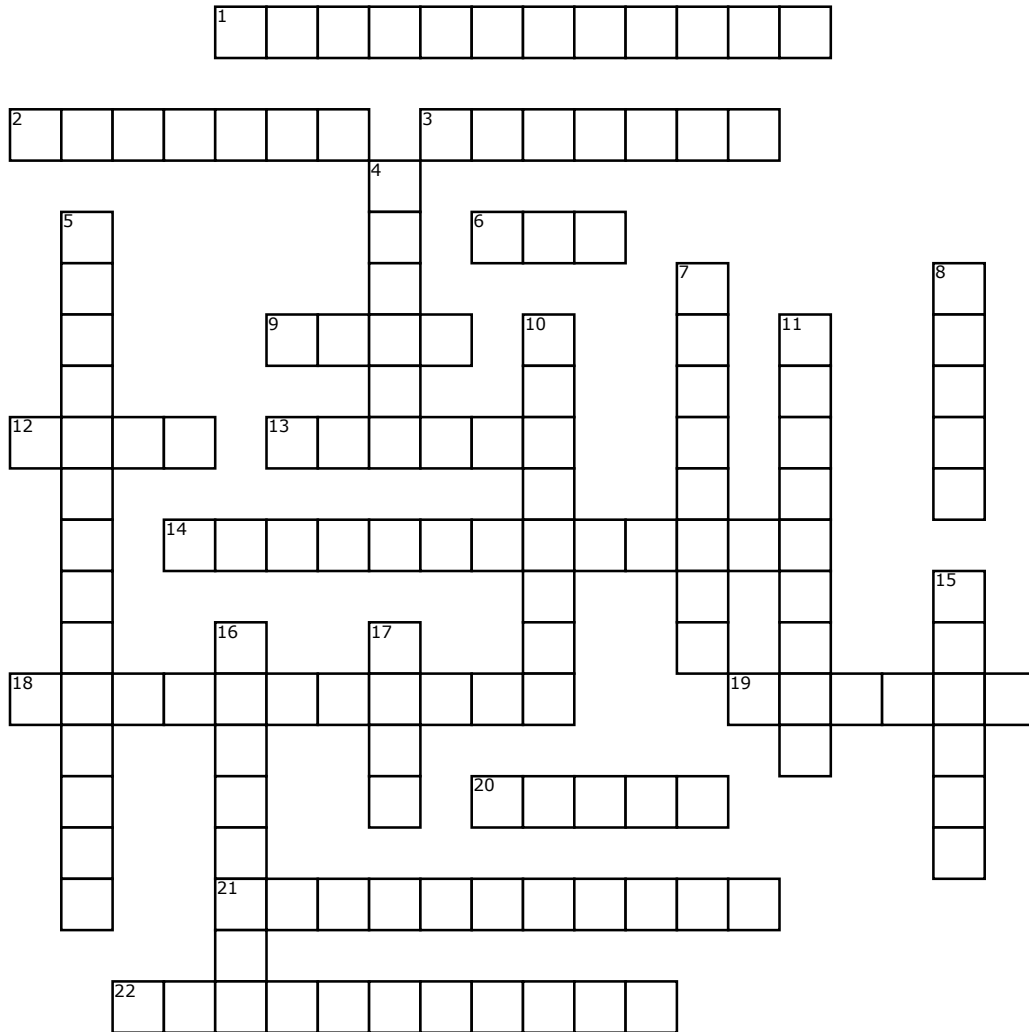


Photosynthesis and Respiration



Across

- 1. location in the cell where cellular respiration occurs
- 2. openings on the bottom of the leaf for bringing in or getting rid of gases
- 3. C₆H₁₂O₆
- 6. type of energy given off in the respiration reaction
- 9. plants use cellular respiration when it is _____
- 12. in the snail/elodea lab, which organism(s) could respire
- 13. starting materials for cellular respiration - glucose and _____
- 14. products for cellular respiration - water, _____, and energy

- 18. location in the cell where photosynthesis occurs
 - 19. color of BTB when it has a lot of carbon dioxide
 - 20. the main purpose of photosynthesis is to store energy in the form of _____
 - 21. green pigment that traps sunlight for photosynthesis
 - 22. when oxygen is being taken in and carbon dioxide is given off, the organism is going through _____
- Down**
- 4. the main purpose of cellular respiration is to release _____ from sugar
 - 5. when carbon dioxide is being taken in and oxygen is being given off, the organism is going through _____.

- 7. photosynthesis and respiration are _____ processes because the products of one are the starting materials of the other reaction
- 8. starting material for photosynthesis which is taken in through the roots
- 10. type of energy needed to fuel the photosynthesis reaction
- 11. in the snail and elodea lab, as the level of carbon dioxide increases, the level of oxygen will _____
- 15. in the snail/elodea lab, which organism(s) photosynthesized
- 16. glucose and oxygen are the _____ if photosynthesis
- 17. color of BTB when it has little or no carbon dioxide

Word Bank

- | | | | | |
|-----------|---------------|--------------|----------------|-------------|
| water | yellow | mitochondria | oxygen | ATP |
| energy | carbondioxide | chloroplast | sunlight | chlorophyll |
| decreases | dark | blue | respiration | stomata |
| products | sugar | glucose | photosynthesis | elodea |
| both | opposite | | | |